

Exhibit 11

1 Kevin P.B. Johnson (Bar No. 177129)
QUINN EMANUEL URQUHART OLIVER & HEDGES, LLP
2 555 Twin Dolphin Drive, Suite 560
Redwood Shores, California 94065-2139
3 Telephone: (650) 801-5000
Facsimile: (650) 801-5100

4 Steven M. Anderson (Bar No. 144014)
QUINN EMANUEL URQUHART OLIVER & HEDGES, LLP
5 865 S. Figueroa St. 10th Floor
6 Los Angeles, California 90017
Telephone: (213) 443-3000
7 Facsimile: (213) 443-3100

8 Attorneys for Plaintiff Sony Corporation

9
10 UNITED STATES DISTRICT COURT
11 CENTRAL DISTRICT OF CALIFORNIA
12 WESTERN DIVISION

13 SONY CORPORATION, A Japanese
corporation,

14 Plaintiff,

15 vs.

16 VIZIO, Inc.,

17 Defendant.
18

CASE NO. SA CV 08-01135-RGK (FMOx)

**SUPPLEMENTAL RESPONSE TO VIZIO,
INC.'S FIRST SET OF
INTERROGATORIES (NOS. 1-18)**

19
20 Pursuant to Rule 33 of the Federal Rules of Civil Procedure, Plaintiff Sony Corporation
21 ("Sony") objects and responds to Defendant Vizio, Inc.'s ("Vizio") First Set of Interrogatories
22 (Nos. 1-18) ("Interrogatories") as follows:

23 **Preliminary Statement**

24 Sony has made a reasonable investigation for information responsive to Vizio's
25 Interrogatories based upon its current employees' knowledge, information, and belief. Sony is
26 still pursuing its investigation and analysis of the facts and law pertaining to this action, and has
27 not yet completed its investigation. Thus, Sony's responses are made without prejudice to
28 Sony's right subsequently to add, modify, or otherwise change or amend its responses. Sony

1 reserves the right to make any use of, or to introduce at any hearing, and at trial, information
2 and/or documents responsive to Vizio's Interrogatories but discovered subsequent to the date of
3 this response. Sony reserves all objections or other questions as to the competency, relevance,
4 materiality, privilege, or admissibility in any proceeding or trial of this or any other action for any
5 purpose whatsoever of Sony's responses herein and any document or thing identified or provided
6 in response to Vizio's Interrogatories. Sony provides these written responses to Vizio's
7 Interrogatories subject to the general and specific objections stated below.

8 General Objections

9 The following general objections apply to each and every interrogatory propounded by
10 Vizio and are incorporated into each of the following responses by reference as if set forth fully
11 therein.

12 1. Sony objects to the Interrogatories, and the instructions and definitions that
13 accompany them, to the extent that they are premature.

14 2. Sony objects to the Interrogatories, and the instructions and definitions that
15 accompany them, to the extent that they seek to impose obligations and demands on Sony greater
16 than or more extensive than those required by the Federal Rules of Civil Procedure or the Local
17 Rules of the United States District Court for the Central District of California.

18 3. Sony objects to the Interrogatories, and the instructions and definitions that
19 accompany them, to the extent that they seek information subject to attorney-client privilege,
20 attorney work product immunity, or other privilege or immunity against disclosure. Such
21 information will not be provided in response to the Interrogatories, and any inadvertent disclosure
22 thereof shall not be deemed a waiver of any privilege with respect to such information or of any
23 work product doctrine protections which may attach thereto.

24 4. Sony objects to the Interrogatories, and the instructions and definitions that
25 accompany them, to the extent that they purport to require the production of proprietary and
26 confidential information of any third parties to whom Sony may be under obligations of
27 confidentiality.

1 5. Sony objects to the Interrogatories, and the instructions and definitions that
2 accompany them, to the extent that they are vague, ambiguous, unintelligible, overly broad,
3 unduly burdensome, oppressive, and harassing and seek information that is not relevant to the
4 subject matter of this action nor reasonably calculated to lead to the discovery of admissible
5 evidence.

6 6. Sony objects to the Interrogatories, and the instructions and definitions that
7 accompany them, to the extent they seek information available through public sources or are
8 known to Vizio.

9 7. Sony objects to the Interrogatories, and the instructions and definitions that
10 accompany them, to the extent that they call for legal conclusions.

11 8. Sony objects to the Interrogatories to the extent they contain discrete subparts
12 improperly grouped as a single interrogatory.

13 9. Sony objects to the definitions of "you," "your," and "Sony" in the "Definitions"
14 section of the Interrogatories, on the basis that they are overbroad, unduly burdensome, and
15 purport to place discovery obligations upon Sony that exceed those required by the Federal Rules
16 of Civil Procedure. Sony submits these responses on its own behalf and does not speak for other
17 entities.

18 10. Sony objects to the definitions of "Sony Patent(s)," "Asserted Sony Patent(s)," and
19 "Patents-in-Suit" to the extent such definitions include patents not asserted in Sony's First
20 Amended Complaint. Sony reserves the right to supplement its responses to these Interrogatories
21 to the extent additional patents are in suit.

22 10. Sony objects to the Interrogatories to the extent that they seek information not
23 within the possession, custody or control of Sony. An objection on this ground does not
24 constitute a representation or admission that such information does in fact exist.

25 11. Except for explicit facts admitted in these responses, no incidental or implied
26 admissions are intended and these responses shall not be construed to be a waiver by Sony of all
27 or any part of any objection to the Interrogatories.

28

12. Sony objects to the Interrogatories as premature to the extent that they call for responses that are the subject of expert testimony and the parties have not yet engaged in expert discovery or exchanged expert witness reports.

13. Sony has made a reasonable investigation for information responsive to the Interrogatories. Sony is still pursuing its investigation and analysis of the facts and law pertaining to this action and has not yet completed its investigation. Thus, Sony's responses are made without prejudice to Sony's right subsequently to add, modify or otherwise change or amend these responses. The information contained in these responses is also subject to correction for omissions or errors.

14. Sony objects to the manner of responding specified in the Interrogatories and the instructions and definitions that accompany them. Sony will respond to the Interrogatories in a manner that conforms to the Federal Rules of Civil Procedure and the Local Rules of the Central District of California.

15. Sony objects to each interrogatory as compound to the extent it contains multiple sub-parts.

15. Any objection by Sony does not constitute a representation or admission that such information does in fact exist or is known to Sony.

16. Sony reserves its right to supplement these responses.

INTERROGATORIES

INTERROGATORY NO. 1:

Separately for each Accused VIZIO Product and for each Asserted Claim, using a claim chart format, indicate the element or component of such Accused VIZIO Product that allegedly meets each limitation of each Asserted Claim, specifying whether each such limitation is alleged to be met, directly or indirectly, literally or under the doctrine of equivalents and the complete factual and legal basis for your answer.

1 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 1:**

2 Sony incorporates each of its general objections by reference. Sony objects to this request
3 as premature to the extent it calls for Sony to have determined the "complete" legal and factual
4 bases for its contentions at this early stage in discovery. Sony further objects to this request as
5 being unduly burdensome to the extent that it calls for a response "[s]eparately for each Accused
6 VIZIO Product." Sony further objects to this request to the extent it calls for information
7 protected from discovery by the attorney-client privilege and/or the work product doctrine. Sony
8 also objects to this request to the extent it requests information in the possession of third parties or
9 otherwise unknown to Sony. Sony also objects to this request to the extent it calls for a legal
10 conclusion. Sony objects to this request as premature to the extent that it seeks information that is
11 more properly the subject of expert testimony.

12 Without waiving the foregoing general and specific objections and subject to those
13 objections, Sony responds as follows:

14 Discovery in this matter is at an early stage and is ongoing. Vizio has not yet produced
15 any technical documents and things except user manuals and service manuals for far less than one-
16 half of the Accused Products, or provided any deposition testimony in this action. Moreover, the
17 service manuals that Vizio did produce were only provided to Sony on May 29, 2009, less than
18 one and a half weeks ago. Furthermore, an inspection of the Accused Vizio Products has not
19 taken place and Vizio has not confirmed whether and/or when it will make any of the Accused
20 Products available for inspection. Vizio has not made the source code for the Accused Products
21 available to Sony. Nor has Vizio agreed to Sony's May 18, 2009 proposal regarding the mutual
22 exchange of privilege logs or offered a counter-proposal. Sony's investigation regarding these
23 and other potential grounds of infringement is ongoing. This response is therefore based in large
24 part upon information that Sony has been able to obtain publicly, together with Sony's current
25 good faith belief regarding the Accused Products, and is given without prejudice to Sony's right to
26 supplement and/or modify this response as additional facts are ascertained, analyses are made,
27 research is completed and claims are construed. Sony will further supplement its infringement
28 charts after it has had a reasonable period of time to complete its review of the limited number of

1 service manuals Vizio has produced and after Vizio has made the Accused Products available for
2 inspection.

3 Vizio makes, uses, sells, offers for sale and/or imports into the United States
4 instrumentalities that by themselves or in combination with other products or services are capable
5 of displaying digital video signals, including, without limitation, the following Vizio televisions:

6 L13; L13 TVJ10; L13e; L300L; L15; L3; L4; L5; VA190E; VA190E-W; VA19L HDTV10T;
7 VW19L HDTV10F; HDX 20L; L20; L6; VX200E; VX20L HDTV; VX20L HDTV1A; VX20L
8 HDTV20A; VXW20L HDTV10A; VA220E; VA220M; VA22L FHDTV10T; VO220M; VO22L
9 FHDTV10A; VO22L HDTV10A; VW22L HDTV10T; VA26L HDTV10T; VA260E;
10 VGM26F11; VW26L HDTV10F; VW26L HDTV20F; L30; L30e; L30WGU; L30WGUe; L32;
11 L32 HDTV; L32 HDTV10A; L32 HDTV20A; P1; SV320XVT; VA320E; VECO320L 1A;
12 VL320M HDTV; VO320E; VO32L FHDTV10A; VO32L HDTV10A; VOJ320F1A; VOJ32C
13 FHDTV1A; VP322 HDTV10A; VU32L FHDTV10A; VU32L HDTV10A; VW32L HDTV10A;
14 VW32L HDTV20A; VW32L HDTV30A; VW32L HDTV40A; VX32L HDTV; VX32L
15 HDTV10A; VX32L HDTV20A; L37 HDTV; L37 HDTV10A; SV370XVT; VL370M HDTV;
16 VO370M; VO37L FHDTV10A; VO37L FHDTV20A; VO37L HDTV10A; VOJ370F1A;
17 VS370E; VU37L FHDTV10A; VU37L HDTV10A; VW37L HDTV10A; VW37L HDTV20A;
18 VW37L HDTV30A; VW37L HDTV40A; VX37L HDTV; VX37L HDTV10A; VX37L
19 HDTV20A; VO40L FHDTV10A; VO40L HDTV10A; VX40L FHDTV10A; VX40L HDTV10A;
20 GV42L FHDTV10A; GV42L FHDTV20A; GV42L HDTV; HDX42P; L42 HDTV; P42; P42 ED;
21 P42 HD; P42 HDTV; P42e; P42eA; P42EDM; P42Hde; P42HDeA; P42 HDTV10A; SV420M;
22 SV420XVT 1AB; SV420XVT1A; VL420M; VO420E; VO42L FHDTV10A; VP42 HDTV; VP42
23 HDTV10A; VP42 HDTV20A; VP422 HDTV10A; VP423 HDTV10A; VS420LF1A; VS42L
24 FHDTV10A; VU42L FHDTV10A; VU42L HDTV10A; VW42L FHDTV10A; VW42L
25 HDTV10A; VX42L HDTV10A; GV46L FHDTV20A; GV46L HDTV; GV46L HDTV10A; P4;
26 P46; VW46L FHDTV10A; VW46L FHDTV20A; VX46L FHDTV10A; GV47L FHDTV; GV47L
27 FHDTV20A; SV470M; SV470XVT1A; VL470M; VO470E; VO47L 120F1A; VO47L
28 FHDTV10A; VO47L FHDTV20A; VO47L FHDTV30A; VW47L FHDTV10A; JV50P

1 HDTV10A; P50 HDTV10A; P50 HDTV20A; P50HD; VP50 HDTV; VP50 HDTV10A; VP50
2 HDTV20A; VP503 HDTV10A; VP503 FHDTV10A; VP504 FHDTV10A; VP505XVT1A;
3 GV52L FHDTV10A; VX52L FHDTV10A; VF550M; VF550XVT1A; RP56; RP56e; VM60P
4 HDTV; VM60P HDTV10A; L42 HDTV10A; SV470XVT1AB; SV471XVT; VA320M; VA420E;
5 VF551XVT; VT420M; VT470M; VX240M; SV421XVT (the "Accused Products"). On
6 information and belief, the Accused Products infringe, directly and literally, one or more claims of
7 the '626, '373, '614, '577, '542, '847, '182, and '472 patents. On information and belief, the
8 Accused Products, with the exception of the L13e, L15, HDX20L, and L20, infringe, directly and
9 literally, one or more claims of the '055 and '468 patents ("HDCP Accused Products"). Sony
10 reserves its right to contend that Vizio's infringement of any element of an Asserted Claim is
11 indirect. Sony also reserves its right to contend that Vizio's infringement of any element of an
12 Asserted Claim is under the doctrine of equivalents because any differences between a claim
13 element and the Infringing Vizio Products are insubstantial and the Infringing Products perform
14 substantially the same function, in substantially the same way, to reach substantially the same
15 result.

16 See Exhibits A-J.

17 **INTERROGATORY NO. 2:**

18 Separately for each Asserted Sony Claim, specify each claim term that Sony contends
19 requires construction by the Court and state the proper construction of each such term, setting
20 forth all bases for that construction, including without limitation any intrinsic or extrinsic evidence
21 on which Sony relies.

22 **RESPONSE TO INTERROGATORY NO. 2:**

23 Sony incorporates each of its general objections by reference. Sony objects to this request
24 as overbroad and unduly burdensome to the extent it seeks "all bases for that construction." Sony
25 further objects to this request as calling for legal conclusions. Sony further objects to this request
26 to the extent it calls for information protected from discovery by the attorney-client privilege
27 and/or the work product doctrine. Sony further objects to this request as being premature.
28

1 Without waiving the foregoing general and specific objections and subject to those
2 objections, Sony responds as follows:

3 Based on the information currently available to it, Sony does not believe that any of the
4 claim terms in the patents-in-suit require construction by the Court. Notwithstanding its current
5 position, Sony reserves all rights to request construction of claim terms to the extent the Court or
6 Sony determines it is necessary and to offer constructions of terms that Vizio asks the Court to
7 construe.

8 **INTERROGATORY NO. 3:**

9 Separately for each Asserted Sony Claim, identify the date of invention that Sony contends
10 applies to that claimed invention and the complete facts, documents, and persons with knowledge
11 on which Sony relies to support that contention.

12 **RESPONSE TO INTERROGATORY NO. 3:**

13 Sony incorporates each of its general objections by reference. Sony objects to this request
14 as overbroad and unduly burdensome to the extent it seeks “the complete facts, documents, and
15 persons with knowledge.” Sony further objects to this request as premature to the extent it calls
16 for Sony to have determined all of the claims it is asserting against Vizio at this early stage in
17 discovery. Sony further objects to this request to the extent it calls for information protected from
18 discovery by the attorney-client privilege and/or the work product doctrine. Materials and
19 information referring or relating to conception, reduction to practice, or diligence include that
20 which would otherwise be responsive to this request but was created by or at the direction of
21 Sony’s outside or in-house counsel and professional legal advisers. Such privileged materials and
22 information include communications containing legal advice by and between Sony’s engineers
23 and Sony’s in-house legal advisers responsible for patent prosecution, licensing, and
24 litigation. Such materials and information that would otherwise be responsive to this request also
25 include materials and information prepared or exchanged in anticipation of litigation, including the
26 case at hand and related litigations.

27 Without waiving the foregoing general and specific objections and subject to those
28 objections, Sony responds as follows:

1 **The '626 Patent:** Toshihide Hayashi and Koki Tsumori conceived of the inventions
2 claimed by the '626 patent while trying to develop a new television on-screen menu display that
3 was easier to use and less confusing to users. This conception occurred at least as early as the fall
4 of 1990. At this time, on-screen menu navigation was new to televisions and often confused
5 users because the menus did not clearly identify which menu items were available. Toshihide
6 Hayashi and Koki Tsumori reduced to practice the novel, improved menu disclosed in and claimed
7 by the '626 patent on or before November of 1990. The persons involved in the conception,
8 reduction to practice, and diligence were Messrs. Hayashi and Tsumori. They are also the
9 individuals most knowledgeable about the conception, reduction to practice, and diligence.

10 **The '577, '542, and '847 Patents:** Ikuro Tsukagoshi is a pioneer in the field of subtitle
11 and closed captioning display. In the early to mid 1990s, Mr. Tsukagoshi worked on Sony's
12 Project 203. The aim of Project 203 was to develop hardware and software for the improved
13 display of subtitles and/or captions overlayed on an image. This is a technically difficult
14 application. Subtitles and captions can be difficult or impossible for a user to read if they are not
15 displayed properly and can be distracting or annoying if they are not synched to the underlying
16 video image. Through the Project 203 development, Mr. Tsukagoshi advanced this entire field.
17 He developed encoders and decoders that provided improved and easier to read caption and
18 subtitle displays. These advances include the invention claimed in the '577 patent, which he
19 conceived at least as early as May of 1993 and reduced to practice around October of 1993, and
20 the invention claimed in the '542 patent, which he conceived at least as early as October 25, 1993
21 and reduced to practice on or before December 21, 1993. These advances further include the
22 invention claimed in the '847 patent, which he conceived at least as early as January 18, 1995 and
23 reduced to practice on or before March 20, 1995. The person involved in the conception,
24 reduction to practice, and diligence of the invention claimed in the '577, '542, and '847 patents
25 was Mr. Tsukagoshi. He is also the individual most knowledgeable about the conception,
26 reduction to practice, and diligence.

27 **The '373 Patent:** Tomoko Ohyama, Yukiko Ohkura, Masaharu Fukumoto, Shigeyuki
28 Sano, Yasuko Rokukawa, Shiro Endo, Kyosuke Oda, Yumiko Minakawa, and Chifumi Matsuura

1 conceived of the inventions claimed in the '373 patent at least as early as January of 1994 while
2 working on a project to develop one of Sony's first digital televisions. The project was known
3 internally as Project XBR2. As part of this project, the inventors were developing a novel on-
4 screen menu display that offered a superior experience to the user. The inventions claimed in the
5 '373 patent advanced the field by displaying hierarchical menus regarding the control of television
6 functions, thereby making it easier to navigate the menu levels. The inventors reduced to practice
7 this novel, improved hierarchical menu system on or around February of 1994. The people
8 involved in the conception, reduction to practice, and diligence were Messrs. Ohyama, Ohkura,
9 Yumiko, and Matsuura and Messrs. Fukumoto, Sano, Rokukawa, Endo, Oda, and Minakawa.
10 They are also the individuals most knowledgeable about the conception, reduction to practice, and
11 diligence.

12 **The '614 Patent:** In the mid 1990s, Sony was developing set-top boxes for the DirectTV
13 service. One feature that needed to be improved upon was the graphical user interface (GUI) for
14 the set-top box. Most GUIs at the time presented a programming guide that was organized into a
15 grid structure. While working on this aspect of the set-top box, Kazuto Mugura, Yuko
16 Nishikawa, Joseph Saib, and Ludovic Legrand conceived of the inventions in the '614 patent,
17 which improved the user interface by incorporating on screen display components of varying
18 levels of transparency, at least as early as July of 1996. The inventors reduced to practice the
19 inventions claimed in the '614 patent and reduced to practice on or before October 17, 1997. The
20 people involved in the conception, reduction to practice, and diligence were Ms. Nishikawa and
21 Messrs. Mugura, Saib, and Legrand. They are also the individuals most knowledgeable about the
22 conception, reduction to practice, and diligence.

23 **The '055 and '468 Patents:** In 1994, the inventors were working together at Sony on
24 Project HMS. The goal of Project HMS team was to develop a digital VCR. One aspect of this
25 project in which the inventors of the '055 patent were involved was the development of the
26 methods for linking a set-top box to the digital VCR and transferring data between the two
27 devices. The inventors conceived of the inventions claimed in the '055 patent at least as early as
28 April 21, 1994. The inventors reduced to practice the inventions claimed in the '055 patent on

1 or before May 24, 1994. The persons involved in the conception, reduction to practice, and
2 diligence were Messrs. Tsukamoto, Goto, and Fukushima. They are the also individuals most
3 knowledgeable about the conception, reduction to practice, and diligence.

4 **The '472 Patent:** In the late 1990s, Peter Rae Shintani and Shigeharu Kondo were
5 engaged in work at Sony relating to the introduction of digital television products and technology.
6 One complication presented by digital television which Messrs. Shintani and Kondo addressed
7 during their work at the time is the difficulty in selecting digital channels, which can be identified
8 by a combination of a major channel number and a minor channel number. A method was needed
9 to distinguish between the major channel and the minor channel in order to facilitate the proper
10 selection of the digital channel. While addressing this need, Messrs. Shintani and Kondo
11 conceived of the inventions claimed in the '472 patent at least as early as September of 1998 and
12 reduced to practice the inventions on or around January of 1999. The persons involved in the
13 conception, reduction to practice, and diligence were Messrs. Shintani and Kondo. They are also
14 the individuals most knowledgeable about in the conception, reduction to practice, and diligence.

15 **The '182 Patent:** In the late 1990s, Mr. Yamakawa was developing plasma display
16 technology at Sony. At that time, images displayed on plasma screens suffered from increased
17 darkness levels. The inability to display bright imagery was a major problem for plasma monitors
18 used for public advertising. Mr. Yamakawa sought to develop a unique method of increasing the
19 brightness of the displayed image. He conceived of the inventions claimed in the '182 patent at
20 least as early as August of 1997 and reduced to practice those inventions on or around August of
21 1997. The only person involved in the conception, reduction to practice, and diligence was Mr.
22 Yamakawa. He is also the individual most knowledgeable about the conception, reduction to
23 practice, and diligence.

24 In addition to the foregoing, pursuant to Federal Rule Civil Procedure 33(d), Vizio may
25 derive or ascertain information responsive to this interrogatory from at least the following
26 documents produced in this matter: SONY0005933-6355, SONY0006356-6839, SONY0006840-
27 7161, SONY0007162-7398, SONY0007399-7640, SONY0007641-7926, SONY0007927-8191,
28 SONY0008192-8374, SONY0008375-8604, SONY0008605-8786, and SONY0008787-9088.

1 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
2 right to supplement its response to the extent it locates additional non-privileged, relevant
3 documents or information responsive to this interrogatory.

4 **INTERROGATORY NO. 4:**

5 Separately for each Sony Patent, describe in detail each named inventor's contribution to
6 and involvement with the invention claimed therein, and identify all documents that refer or relate
7 thereto.

8 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 4:**

9 Sony incorporates each of its general objections by reference. Sony objects to this request
10 as overbroad and unduly burdensome to the extent it seeks identification of "all documents that
11 refer or relate thereto." Sony objects to this request as vague and ambiguous to the extent it uses
12 the phrase "contribution to and involvement with" without defining it. Sony further objects to
13 this request to the extent it calls for a legal conclusion or for information otherwise protected from
14 discovery by the attorney-client privilege and/or the work product doctrine, including
15 communications reflecting legal advice by and between Sony's engineers and Sony's in-
16 house legal advisers responsible for patent prosecution, licensing, and litigation. Sony further
17 objects to this interrogatory to the extent it seeks information that is more appropriately the subject
18 of a different form of discovery, such as a deposition.

19 Without waiving the foregoing general and specific objections and subject to those
20 objections, Sony responds as follows:

21 Sony refers Vizio to Sony's response to Interrogatory No. 3, above, and incorporates it by
22 reference herein. Sony further states:

23 **The '626 Patent:** Named inventors Toshihide Hayashi and Koki Tsumori worked
24 together and contributed to at least one of the inventions claimed in the '626 patent.

25 **The '577, '542, and '847 Patents:** Named inventor Ikuo Tsukagoshi is the sole named
26 inventor of the '577, '542, and '847 patents.

27 **The '373 Patent:** Named inventors Tomoko Ohyama, Yukiko Ohkura, Masaharu
28 Fukumoto, Shigeyuki Sano, Yasuko Rokukawa, Shiro Endo, Kyosuke Oda, Yumiko Minakawa,

1 and Chifumi Matsuura worked together with each contributing to at least one of the inventions
2 claimed in the '373 patent.

3 **The '614 Patent:** Named inventors Kazuto Mugura, Yuko Nishikawa, Joseph Saib, and
4 Ludovic Legrand worked together with each contributing to at least one of the inventions claimed
5 in the '614 patent.

6 **The '055 and '468 Patents:** Named inventors Junichi Tsukamoto, Koichi Goto, and
7 Shinichi Fukushima worked together with each contributing to at least one of the inventions
8 claimed in the '055 and '468 patents.

9 **The '472 Patent:** Named inventors Peter Rae Shintani and Shigeharu Kondo worked
10 together with each contributing to at least one of the inventions claimed in the '472 patent.

11 **The '182 Patent:** Named inventor Yoshifumi Yamakawa is the sole named inventor of
12 the '182 patent.

13 In addition to the foregoing, pursuant to Federal Rule Civil Procedure 33(d), Vizio may
14 derive or ascertain information responsive to this interrogatory from at least the following
15 documents produced in this matter: SONY0026213-26214, SONY0026323-26366,
16 SONY0026387-26398, SONY0028018-28059, SONY0037803-37804, SONY0037843-37850,
17 and SONY0037869-37988.

18 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
19 right to supplement its response to the extent it locates additional non-privileged, relevant
20 documents or information responsive to this interrogatory.

21 **INTERROGATORY NO. 5:**

22 Separately for each Sony Patent, identify each person other than a named inventor who
23 contributed to or was involved in any way with the conception or actual reduction to practice of
24 the claimed invention, each such person's contribution to or involvement in those events, and all
25 documents that refer or relate thereto.

26 **RESPONSE TO INTERROGATORY NO. 5:**

27 Sony incorporates each of its general objections by reference. Sony objects to this request
28 as overbroad and unduly burdensome to the extent it seeks "all documents" and information

1 pertaining to persons “involved in any way.” Sony objects to this request as vague and
2 ambiguous to the extent it uses the terms “contributed to or was involved in any way” and
3 “contribution to and involvement with” without defining them. Sony further objects to this
4 request to the extent it calls for a legal conclusion or seeks information protected from discovery
5 by the attorney-client privilege and/or the work product doctrine. Sony further objects to this
6 request as seeking information that is not relevant to the subject matter of this action nor
7 reasonably calculated to lead to the discovery of admissible evidence.

8 Without waiving the foregoing general and specific objections and subject to those
9 objections, Sony responds as follows:

10 To the extent the phrases “contributed to or was involved in any way” and “contributed to
11 or was involved in any way with” are intended to refer to persons who would have been eligible to
12 be named as inventors on the patents in suit, Sony is not aware of anyone other than the named
13 inventors who contributed to or were involved with the inventions described in the patents in suit
14 in that manner.

15 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
16 right to supplement its response to the extent it locates additional non-privileged, relevant
17 documents or information responsive to this interrogatory.

18 **INTERROGATORY NO. 6:**

19 Separately for each Sony Patent, Related Patent, and Related Application, identify all prior
20 art of which Sony is aware concerning the claimed invention of such patent or application,
21 including without limitation all relevant public uses, offers for sale, or sales in the United States
22 occurring prior to the earliest effective filing date of each such patent, all relevant patents and
23 publications dated prior to the earliest effective filing date of each such patent, and all relevant
24 documents concerning such identified prior art.

25 **RESPONSE TO INTERROGATORY NO. 6:**

26 Sony incorporates each of its general objections by reference. Sony objects to this request
27 as vague and ambiguous to the extent it uses the terms “prior art” and “relevant” without providing
28 corresponding definitions and on the grounds that these terms require a subjective analysis.

1 Sony's response to this interrogatory is accordingly based on its understanding of the meaning of
2 those terms. Sony further objects to this request to the extent it calls for information protected
3 from discovery by the attorney-client privilege and/or the work product doctrine. Requesting that
4 Sony identify prior art references known to Sony to be relevant to the patents-in-suit, to the extent
5 any such prior art exists, calls for the mental impressions, conclusions, opinions, or legal theories
6 of Sony's counsel and legal advisors, which are entitled to protection from discovery under the
7 Federal Rules.

8 Without waiving the foregoing general and specific objections, without conceding that any
9 prior art anticipates or renders obvious any element of any patent-in-suit, and subject to those
10 objections, Sony responds as follows:

11 Without waiving its objections to relevancy and to Vizio's use of the term "prior art,"
12 pursuant to Federal Rule Civil Procedure 33(d), Vizio may derive or ascertain information that
13 may be responsive to this interrogatory from the following documents: documents cited during
14 the prosecution of the patents-in-suit and documents identified by Westinghouse during *Sony*
15 *Corporation v. Westinghouse Digital Electronics, LLC*, Case No. CV-08-3934 with production
16 numbers: SONY0005933-6355, SONY0006356-6839, SONY0006840-7161, SONY0007162-
17 7398, SONY0007399-7640, SONY0007641-7926, SONY0007927-8191, SONY0008192-8374,
18 SONY0008375-8604, SONY0008605-8786, SONY0009220-9868, inclusive, and SONY0010192-
19 22968, inclusive. Sony makes no admission that any of these documents are prior art to any of
20 the patents-in-suit.

21 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
22 right to supplement its response to the extent it locates additional non-privileged, relevant
23 documents or information responsive to this interrogatory.

24 **INTERROGATORY NO. 7:**

25 Separately for each prior art search directed to any subject matter claimed at any time in
26 any of the Sony Patents and Related Patents, describe the details of such search, including without
27 limitation the persons involved in conducting the search, when the search was conducted, the
28 particular subject matter to which the search was directed, all prior art located as a result of such

1 search, the persons to whom the search results were communicated, and all documents that refer or
2 relate thereto.

3 **RESPONSE TO INTERROGATORY NO. 7:**

4 Sony incorporates each of its general objections by reference. Sony objects to this request
5 as vague and ambiguous to the extent it uses the terms "prior art" and "any subject matter" without
6 providing corresponding definitions and on the grounds that these terms require a subjective
7 analysis. Sony's response to this interrogatory is accordingly based on its understanding of the
8 meaning of those terms. Sony further objects to this request to the extent it calls for information
9 protected from discovery by the attorney-client privilege and/or the work product doctrine.

10 Requesting that Sony identify prior art references known to Sony to be relevant to the patents-in-
11 suit, to the extent any such prior art exists, calls for the mental impressions, conclusions, opinions,
12 or legal theories of Sony's counsel and legal advisors, which are entitled to protection from
13 discovery under the Federal Rules. Similarly, all prior art searches not otherwise described below
14 were carried out either by or at the direction of counsel in anticipation of litigation and the details
15 of such searches are protected by the attorney-client privilege and/or the work product doctrine.

16 Without waiving the foregoing general and specific objections, without conceding that any
17 prior art anticipates or renders obvious any element of any patent-in-suit, and subject to those
18 objections, Sony responds as follows:

19 **The '626 Patent:** On March 12, 1993, a prior art search was carried out at the direction
20 of Michael Nicholls. The results of the search were submitted to the European Patent Office.
21 On July 2, 1993, the '626 applicants submitted a List of Prior Art Cited by Applicant to the
22 U.S.P.T.O. which detailed prior art potentially related to the application for the '626 patent that
23 had been located by applicants during the pendency of the '626 application. The search was
24 conducted at the direction of Jay Maioli. Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to
25 additional information regarding these prior art searches contained in documents with the
26 following production number ranges: SONY0005933-6355.

27 **The '577 Patent:** On September 2, 1994, a prior art search was carried out at the
28 direction of Shigemoto Tanabe. The results of the search were submitted to the Japanese Patent

Office. Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to additional information regarding this prior art search contained in documents with the following production number ranges: SONY0006356-6839.

The '542 Patent: On March 4, 1997, applicants of the '542 Patent filed an Information Disclosure Statement at the direction of Charles Sammut, listing certain results of a prior art search. Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to additional information regarding this prior art search contained in documents with the following production number ranges: SONY0006840-7161.

The '847 Patent: Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to documents with the following production number ranges: SONY0007162-7398.

The '373 Patent: Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to documents with the following production number ranges: SONY0007927-8191.

The '614 Patent: On October 17, 1997, applicants of the '614 Patent filed an Information Disclosure Statement at the direction of Maria Sobrino, listing certain results of a prior art search. On October 17, 1997, applicants of the '614 Patent filed an Information Disclosure Statement at the direction of Sang Hui Kim, listing certain results of a prior art search. On February 12, 1998, applicants of the '614 Patent filed an Information Disclosure Statement at the direction of Richard Gregory, listing certain results of a prior art search. On September 25, 1998, applicants of the '614 Patent filed an Information Disclosure Statement at the direction of Maria Sobrino, listing certain results of a prior art search. On December 8, 1998, applicants of the '614 Patent filed an Information Disclosure Statement at the direction of Richard Gregory, listing certain results of a prior art search. Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to additional information regarding these prior art searches contained in documents with the following production number ranges: SONY0007399-7640.

The '055 Patent: On October 18, 2000, applicants of the '055 Patent filed an Information Disclosure Statement at the direction of Gordon Kessler, listing certain results of a prior art search. On January 18, 2002, applicants of the '055 Patent filed an Information Disclosure Statement at the direction of Gordon Kessler, listing certain results of a prior art search.

1 Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to additional information regarding these prior
2 art searches contained in documents with the following production number ranges:
3 SONY0007641-7926.

4 **The '468 Patent:** On October 18, 2000, applicants of the '055 Patent filed an
5 Information Disclosure Statement at the direction of Gordon Kessler, listing certain results of a
6 prior art search. On January 18, 2002, applicants of the '055 Patent filed an Information
7 Disclosure Statement at the direction of Gordon Kessler, listing certain results of a prior art search.
8 On November 28, 2005, applicants of the '468 Patent filed an Information Disclosure Statement at
9 the direction of William Frommer, listing certain results of a prior art search. On May 23, 2007,
10 applicants of the '468 Patent filed an Information Disclosure Statement at the direction of William
11 Frommer, listing certain results of a prior art search. Pursuant to Fed. R. Civ. P. 33(d), Sony
12 refers Vizio to additional information regarding these prior art searches contained in documents
13 with the following production number ranges: SONY0007641-7926 and SONY0008605-8786.

14 **The '472 Patent:** On February 18, 2000, applicants of the '472 Patent filed an
15 Information Disclosure Statement at the direction of Hans Mahr, listing certain results of a prior
16 art search. Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to additional information
17 regarding these prior art searches contained in documents with the following production number
18 ranges: SONY0008192-8374.

19 **The '182 Patent:** Pursuant to Fed. R. Civ. P. 33(d), Sony refers Vizio to documents
20 with the following production number ranges: SONY0008375-8604.

21 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
22 right to supplement its response to the extent it locates additional non-privileged, relevant
23 documents or information responsive to this interrogatory.

24 **INTERROGATORY NO. 8:**

25 Separately for each Asserted Sony Claim, identify all facts concerning, the persons most
26 knowledgeable about, and all documents concerning, any objective indicia that Sony contends
27 supports nonobviousness of the claimed invention, including without limitation any commercial
28 success of the claimed invention, any long felt but unmet need for the claimed invention, any

1 failure of others to develop the claimed invention, or any unexpected results of the claimed
2 invention.

3 **RESPONSE TO INTERROGATORY NO. 8:**

4 Sony incorporates each of its general objections by reference. Sony objects to this request
5 as overbroad and unduly burdensome to the extent it seeks “all facts” and “all documents.” Sony
6 further objects to this request to the extent it calls for information protected from discovery by the
7 attorney-client privilege and/or the work product doctrine. Materials and information referring or
8 relating to objective indicia of nonobviousness include those which would otherwise be responsive
9 to this request but were created by or at the direction of Sony’s outside or in-house counsel and
10 professional legal advisers. Such privileged materials and information include communications
11 containing legal advice by and between Sony’s engineers and Sony’s in-house legal advisers
12 responsible for patent prosecution, licensing, and litigation. Such materials and information that
13 would otherwise be responsive to this request also include materials and information prepared or
14 exchanged in anticipation of litigation, including the case at hand and related litigations. Sony
15 further objects to this request as calling for legal conclusions. Sony further objects to this request
16 to the extent it seeks the confidential information of third parties and information not in the
17 possession, custody, or control of Sony.

18 Without waiving the foregoing general and specific objections and subject to those
19 objections, Sony responds as follows:

20 **The ‘626 Patent:** The claims of the ‘626 patent exhibit some, if not all, of the secondary
21 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
22 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
23 ‘626 patent addressed the long-felt but unmet need for easy-to-use on-screen displays for color
24 televisions and reflect the failure of others to develop suitable on-screen displays. The sales of
25 Sony televisions and the products of Sony licensees that embody the patented inventions claimed
26 in the ‘626 patent demonstrate commercial success. Sony’s numerous licenses with other
27 television manufacturers that cover the ‘626 patent are evidence of commercial acquiescence to
28 the validity of the patent.

1 **The '577 Patent:** The claims of the '577 patent exhibit some, if not all, of the secondary
2 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
3 of *Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
4 '577 patent addressed the long-felt but unmet need for the efficient display of high-quality
5 subtitles without picture degradation on color televisions and reflect the failure of others to
6 develop these techniques. The sales of Sony televisions and the products of Sony licensees that
7 embody the patented inventions claimed in the '577 patent demonstrate commercial success.
8 Sony's numerous licenses with other television manufacturers that cover the '577 patent are
9 evidence of commercial acquiescence to the validity of the patent.

10 **The '542 Patent:** The claims of the '542 patent exhibit some, if not all, of the secondary
11 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
12 of *Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
13 '542 patent addressed the long-felt but unmet need for efficient processing of subtitle data and
14 other data for display on color televisions and reflect the failure of others to develop such
15 techniques. The sales of Sony televisions and the products of Sony licensees that embody the
16 patented inventions claimed in the '542 patent demonstrate commercial success. Sony's
17 numerous licenses with other television manufacturers that cover the '542 patent are evidence of
18 commercial acquiescence to the validity of the patent.

19 **The '847 Patent:** The claims of the '847 patent exhibit some, if not all, of the secondary
20 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
21 of *Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
22 '847 patent addressed the long-felt but unmet need for properly and efficiently processing and
23 decoding subtitle data in real time and reflect the failure of others to develop such techniques.
24 The sales of Sony televisions and the products of Sony licensees that embody the patented
25 inventions claimed in the '847 patent, demonstrate commercial success. Sony's numerous
26 licenses with other television manufacturers that cover the '847 patent are evidence of commercial
27 acquiescence to the validity of the patent.
28

1 **The '373 Patent:** The claims of the '373 patent exhibit some, if not all, of the secondary
2 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
3 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
4 '373 patent addressed the long-felt but unmet need for easy-to-use function control menus
5 displayed by color televisions and reflect the failure of others to develop suitable function control
6 menus. The sales of Sony televisions and the products of Sony licensees that embody the
7 patented inventions claimed in the '373 patent demonstrate commercial success. Sony's
8 numerous licenses with other television manufacturers that cover the '373 patent are evidence of
9 commercial acquiescence to the validity of the patent.

10 **The '614 Patent:** The claims of the '614 patent exhibit some, if not all, of the secondary
11 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
12 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
13 '614 patent addressed the long-felt but unmet need for easy-to-use on-screen menu displays on
14 color televisions and reflect the failure of others to develop such on-screen menu displays. The
15 sales of Sony televisions and the products of Sony licensees that embody the patented inventions
16 claimed in the '614 patent demonstrate commercial success. Sony's numerous licenses with other
17 television manufacturers that cover the '614 patent are evidence of commercial acquiescence to
18 the validity of the patent.

19 **The '055 Patent:** The claims of the '055 patent exhibit some, if not all, of the secondary
20 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
21 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
22 '055 patent addressed the long-felt but unmet need for secure transmission of video data to color
23 televisions and reflect the failure of others to develop suitable techniques for the secure
24 transmission of such data. The sales of Sony televisions and the products of Sony licensees that
25 embody the patented inventions claimed in the '055 patent demonstrate commercial success.
26 Sony's numerous licenses with other television manufacturers that cover the '055 patent are
27 evidence of commercial acquiescence to the validity of the patent.

1 **The '468 Patent:** The claims of the '468 patent exhibit some, if not all, of the secondary
2 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
3 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
4 '468 patent addressed the long-felt but unmet need for secure transmission of video data to color
5 televisions and reflect the failure of others to develop such techniques for secure transmission.
6 The sales of Sony televisions and the products of Sony licensees that embody the patented
7 inventions claimed in the '468 patent demonstrate commercial success. Sony's numerous
8 licenses with other television manufacturers that cover the '468 patent are evidence of commercial
9 acquiescence to the validity of the patent.

10 **The '472 Patent:** The claims of the '472 patent exhibit some, if not all, of the secondary
11 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
12 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
13 '472 patent addressed the long-felt but unmet need for an easy-to-use way of displaying and
14 selecting a major and minor channel from a digital television broadcast signal and reflect the
15 failure of others to develop such techniques. The sales of Sony televisions and the products of
16 Sony licensees that embody the patented inventions claimed in the '472 patent demonstrate
17 commercial success. Sony's numerous licenses with other television manufacturers that cover the
18 '472 patent are evidence of commercial acquiescence to the validity of the patent.

19 **The '182 Patent:** The claims of the '182 patent exhibit some, if not all, of the secondary
20 considerations and objective indicia of non-obviousness enunciated in *Graham v. John Deere Co.*
21 *of Kansas City*, 383 U.S. 1 (1966) and its progeny. For example, the inventions claimed in the
22 '182 patent addressed the long-felt but unmet need for dynamic gamma correction of a color
23 television video signal and reflect the failure of others to develop suitable techniques for dynamic
24 gamma correction. The sales of Sony televisions and the products of Sony licensees that embody
25 the patented inventions claimed in the '182 patent demonstrate commercial success. Sony's
26 numerous licenses with other television manufacturers that cover the '182 patent are evidence of
27 commercial acquiescence to the validity of the patent.
28

1 Sony notes that this list is non-exhaustive and there may be objective indicia or secondary
2 considerations of non-obviousness that are not included in the response. If Sony becomes aware
3 of any such omissions through discovery or otherwise, it will supplement its response to include
4 any nonprivileged, responsive information. Pursuant to Federal Rule Civil Procedure 33(d),
5 Vizio may also derive or ascertain information responsive to this interrogatory from at least the
6 following documents produced in this matter: SONY0009089-9219.

7 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
8 right to supplement its response to the extent it locates additional non-privileged, relevant
9 documents or information responsive to this interrogatory.

10 **INTERROGATORY NO. 9:**

11 Separately for each Sony Patent, state the best mode of carrying out the claimed invention
12 as known to the inventor(s) at the earliest effective United States filing date of each such patent,
13 and identify the persons most knowledgeable and all documents and things that refer or relate
14 thereto.

15 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 9:**

16 Sony incorporates each of its general objections by reference. Sony objects to this request
17 as overbroad and unduly burdensome to the extent it seeks "all documents." Sony further objects
18 to this request to the extent it calls for information protected from discovery by the attorney-client
19 privilege and/or the work product doctrine. Sony further objects to this request as calling for
20 legal conclusions.

21 Without waiving the foregoing general and specific objections and subject to those
22 objections, Sony responds as follows:

23 35 U.S.C. § 112 states in part: "The specification shall contain a written description of the
24 invention, and of the manner and process of making and using it, in such full, clear, concise, and
25 exact terms as to enable any person skilled in the art to which it pertains, or with which it is most
26 nearly connected, to make and use the same, and shall set forth the best mode contemplated by the
27 inventor of carrying out his invention."
28

1 The specifications of each of the patents-in-suit set forth the best mode contemplated by
2 the inventors for carrying out the claimed inventions. The persons most knowledgeable regarding
3 the claimed inventions are:

4 **The '626 Patent:** Toshihide Hayashi and Koki Tsumori.

5 **The '577, '542, and '847 Patents:** Ikuo Tsukagoshi.

6 **The '373 Patent:** Tomoko Ohyama, Yukiko Ohkura, Masaharu Fukumoto, Shigeyuki
7 Sano, Yasuko Rokukawa, Shiro Endo, Kyosuke Oda, Yumiko Minakawa, and Chifumi Matsuura.

8 **The '614 Patent:** Kazuto Mugura, Yuko Nishikawa, Joseph Saib, and Ludovic Legrand.

9 **The '055 and '468 Patents:** Junichi Tsukamoto, Koichi Goto, and Shinichi Fukushima.

10 **The '472 Patent:** Peter Rae Shintani and Shigeharu Kondo.

11 **The '182 Patent:** Yoshifumi Yamakawa.

12 Pursuant to Federal Rule Civil Procedure 33(d), Vizio may derive or ascertain information
13 responsive to this interrogatory from at least the following documents produced in this matter:

14 SONY0008787-8825, SONY0008826-8850, SONY0008851-8888, SONY0008889-8927,
15 SONY0008928-8952, SONY0008953-8984, SONY0008985-8997, SONY0008998-9037,
16 SONY0009038-9061, SONY0009062-9088; SONY0026213-26214, SONY0026323-26366,
17 SONY0026387-26398, SONY0028018-28059, SONY0037803-37804, SONY0037843-37850,
18 and SONY0037869-37988.

19 Sony is continuing to investigate the subject matter of this interrogatory and reserves the
20 right to supplement its response to the extent it locates additional non-privileged, relevant
21 documents or information responsive to this interrogatory.

22 **INTERROGATORY NO. 10:**

23 Identify all Patented Sony Products by name and model number, and for each identified
24 product list all Sony Patents that cover such product.

25 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 10:**

26 Sony incorporates each of its general objections by reference. Sony objects to this request
27 as overbroad and unduly burdensome to the extent it seeks "all [] Products." Sony further objects
28

1 to this request to the extent it calls for information protected from discovery by the attorney-client
2 privilege and/or the work product doctrine.

3 Without waiving the foregoing general and specific objections and subject to those
4 objections, Sony responds as follows:

5 Based on a reasonable investigation, which is ongoing, and on information and belief, Sony
6 has identified Sony products (listed by model number) that embody the subject matter of each of
7 the patents-in-suit. These products are identified in the charts below.

8 **The '626 Patent:**

Products	First sold in U.S.
KD27FS130	December 2005
KD32FS130	July 2005
KD36FS130	April 2005
KD27FS170, KD32FS170, KD36FS170	March 2006
KD30XS955	April 2004
KD32XS945	April 2005
KD34XS955, KD36XS955	April 2004
KDE37XS955	July 2004
KDE42XS955	July 2005
KDE50XS955	July 2004
KDF42E2000	August 2006
KDF46E2000	June 2006
KDF50E2000	May 2006
KDF55E2000	June 2006
KDF42WE655, KDF50WE655, KDF55WF655, KDF60WF655	April 2004
KDF46E3000, KDF50E3000	July 2007
KDF55XS955, KDF60XS955	April 2004
KDF60XBR950, KDF70XBR950	July 2003
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006
KDL46S2000	April 2006
KDL23S2010, KDL26S2010, KDL32S2010	August 2006
KDL40S2010, KDL46S2010	September 2006
KDL26S3000	June 2007
KDL32S3000, KDL40S3000, KDL46S3000	April 2007
KDL32SL130, KDL40SL130	June 2007
KDL32S2400, KDL40S2400	April 2006
KDL32XBR6	April 2008
KDL37XBR6	May 2008
KDL40V4150	May 2008
KDL40V4100	April 2008
KDL42V4100, KDL46V4100, KDL52V4100	May 2008

	Products	First sold in U.S.
1	KDL40W4100	April 2008
2	KDL46W4100	May 2008
3	KDL52W4100	April 2008
	KDL46W4150	May 2008
4	KDL40S4100, KDL46S4100	April 2008
	KDL40Z4100, KDL46Z4100	September 2008
5	KDL40V2500, KDL46V2500	September 2006
	KDL40V3000, KDL46V3000	July 2007
6	KDL40VL130, KDL46VL130	August 2007
	KDL40W3000, KDL46W3000	July 2007
7	KDL52W3000	August 2007
	KDL40WL135	April 2008
8	KDL46WL135	March 2008
	KDL52WL135	January 2008
9	KDL40XBR2, KDL46XBR2	July 2006
10	KDL40XBR3, KDL46XBR3	August 2006
	KDL52XBR2, KDL52XBR3	October 2006
11	KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
	KDL40XBR5	June 2007
12	KDL46XBR5	August 2007
	KDL52XBR5	September 2007
13	KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
14	KDP51WS550	January 2003
	KDP57WS550, KDP65WS550	April 2003
15	KDP51WS655, KDP57WS655	May 2004
	KDP57XBR2, KDP65XBR2	July 2001
16	KDS50A2000, KDS55A2000, KDS60A2000	July 2006
	KDS50A2020, KDS55A2020, KDS60A2020	February 2006
17	KDS50A3000, KDS55A3000, KDS60A3000	August 2007
	KDSR50XBR1	September 2005
18	KDSR60XBR1	August 2005
	KDSR60XBR2, KDSR70XBR2	September 2006
19	KDL32L4000, KDL37L4000	April 2008
20	KDFE55A20, KDFE60A20	May 2005
	KDL32S20L1, KDL40S20L1	May 2006
21	KDS50AL120	August 2007
	KDS55AL120	July 2007
22	KDS60AL120	April 2007
	KDL32XBR4	May 2007
23	KW34HD1	November 1998
24	KDL70XBR3	February 2007
	KD34XBR2	June 2001
25	KD34XBR960	April 2004
	KD34XBR970	March 2006
26	KDF37H1000	April 2007
	KDL46V25L1	September 2006
27	KDL52WL130	September 2007
28	KDLV32XBR2	September 2006

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Products	First sold in U.S.
KWP65HD1	March 1999
KDL19M4000	April 2008
KDL70XBR3	February 2007
KDS70Q006	December 2004
KDX46Q005	September 2005

The '577 Patent:

Products	First sold in U.S.
KD27FS130	December 2005
KD32FS130	July 2005
KD36FS130	April 2005
KD27FS170, KD32FS170, KD36FS170	March 2006
KD30XS955	April 2004
KD32XS945	April 2005
KD34XS955, KD36XS955	April 2004
KDE37XS955	July 2004
KDE42SX955	July 2005
KDE50XS955	July 2004
KDF42E2000	August 2006
KDF46E2000	June 2006
KDF50E2000	May 2006
KDF55E2000	June 2006
KDF42WE655, KDF50WE655, KDF55WF655, KDF60WF655	April 2004
KDF46E3000, KDF50E3000	July 2007
KDF55XS955, KDF60XS955	April 2004
KDF60XBR950, KDF70XBR950	July 2003
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006
KDL46S2000	April 2006
KDL23S2010, KDL26S2010, KDL32S2010	August 2006
KDL40S2010, KDL46S2010	September 2006
KDL26S3000	June 2007
KDL32S3000, KDL40S3000, KDL46S3000	April 2007
KDL32SL130, KDL40SL130	June 2007
KDL32S2400, KDL40S2400	October 2006
KDL32XBR6	April 2008
KDL37XBR6	May 2008
KDL40V4150	May 2008
KDL40V4100	April 2008
KDL42V4100, KDL46V4100, KDL52V4100	May 2008
KDL40W4100	April 2008
KDL46W4100	May 2008
KDL52W4100	April 2008
KDL46W4150	May 2008
KDL40S4100, KDL46S4100	April 2008
KDL40Z4100, KDL46Z4100	September 2008
KDL40V2500, KDL46V2500	September 2006
KDL40V3000, KDL46V3000	July 2007
KDL40VL130, KDL46VL130	August 2007
KDL40W3000, KDL46W3000	July 2007
KDL52W3000	August 2007
KDL40WL135	April 2008

	Products	First sold in U.S.
1	KDL46WL135	March 2008
2	KDL52WL135	January 2008
3	KDL40XBR2, KDL46XBR2	July 2006
	KDL40XBR3, KDL46XBR3	August 2006
4	KDL52XBR2, KDL52XBR3	October 2006
	KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
5	KDL40XBR5	June 2007
	KDL46XBR5	August 2007
6	KDL52XBR5	September 2007
	KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
7	KDP51WS550	January 2003
	KDP57WS550, KDP65WS550	April 2003
8	KDP51WS655, KDP57WS655	May 2004
9	KDP57XBR2, KDP65XBR2	July 2001
	KDS50A2000, KDS55A2000, KDS60A2000	July 2006
10	KDS50A2020, KDS55A2020, KDS60A2020	February 2007
	KDS50A3000, KDS55A3000, KDS60A3000	August 2007
11	KDSR50XBR1	September 2005
	KDSR60XBR1	August 2005
12	KDSR60XBR2, KDSR70XBR2	September 2006
13	KDL32L4000, KDL37L4000	April 2008
	KDFE55A20, KDFE60A20	May 2005
14	KDL26M3000, KDL32M3000	August 2007
	KDL37M3000	October 2007
15	KDL26ML130, KDL32ML130	August 2007
	KDL26M4000	April 2008
16	KDL32M4000	March 2008
	KDL37M4000	April 2008
17	KDL32N4000, KDL37N4000	April 2008
18	KDL26NL140, KDL32NL140, KDL37NL140	June 2008
	KDL32S20L1, KDL40S20L1	May 2006
19	KDS50AL120	August 2007
	KDS55AL120	July 2007
20	KDS60AL120	April 2007
	KDL32XBR4	May 2007
21	KW34HD1	November 1998
22	KDL70XBR3	February 2007
	KD34XBR2	June 2001
23	KD34XBR960	April 2004
	KD34XBR970	March 2006
24	KDF37H1000	April 2007
	KDL46V25L1	September 2006
25	KDL52WL130	September 2007
26	KDLV32XBR2	September 2006
	KWP65HD1	March 1999
27	KDL19M4000	April 2008
	KDL70XBR3	February 2007
28	KDS70Q006	December 2004

Products	First sold in U.S.
KDX46Q005	September 2005

The '542 Patent:

Products	First sold in U.S.
KD27FS130	December 2005
KD32FS130	July 2005
KD36FS130	April 2005
KD27FS170, KD32FS170, KD36FS170	March 2006
KD30XS955	April 2004
KD32XS945	April 2005
KD34XS955, KD36XS955	April 2004
KDE37XS955	July 2004
KDE42SX955	July 2005
KDE50XS955	July 2004
KDF42E2000	August 2006
KDF46E2000	June 2006
KDF50E2000	May 2006
KDF55E2000	June 2006
KDF42WE655, KDF50WE655, KDF55WF655, KDF60WF655	April 2004
KDF46E3000, KDF50E3000	July 2007
KDF55XS955, KDF60XS955	April 2004
KDF60XBR950, KDF70XBR950	July 2003
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006
KDL46S2000	April 2006
KDL23S2010, KDL26S2010, KDL32S2010	August 2006
KDL40S2010, KDL46S2010	September 2006
KDL26S3000	June 2007
KDL32S3000, KDL40S3000, KDL46S3000	April 2007
KDL32SL130, KDL40SL130	June 2007
KDL32S2400, KDL40S2400	October 2006
KDL32XBR6	April 2008
KDL37XBR6	May 2008
KDL40V4150	May 2008
KDL40V4100	April 2008
KDL42V4100, KDL46V4100, KDL52V4100	May 2008
KDL40W4100	April 2008
KDL46W4100	May 2008
KDL52W4100	April 2008
KDL46W4150	May 2008
KDL40S4100, KDL46S4100	April 2008
KDL40Z4100, KDL46Z4100	September 2008
KDL40V2500, KDL46V2500	September 2006
KDL40V3000, KDL46V3000	July 2007

Products	First sold in U.S.
KDL40VL130, KDL46VL130	August 2007
KDL40W3000, KDL46W3000	July 2007
KDL52W3000	August 2007
KDL40WL135	April 2008
KDL46WL135	March 2008
KDL52WL135	January 2008
KDL40XBR2, KDL46XBR2	July 2006
KDL40XBR3, KDL46XBR3	August 2006
KDL52XBR2, KDL52XBR3	October 2006
KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
KDL40XBR5	June 2007
KDL46XBR5	August 2007
KDL52XBR5	September 2007
KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
KDP51WS550	January 2003
KDP57WS550, KDP65WS550	April 2003
KDP51WS655, KDP57WS655	May 2004
KDP57XBR2, KDP65XBR2	July 2001
KDS50A2000, KDS55A2000, KDS60A2000	July 2006
KDS50A2020, KDS55A2020, KDS60A2020	February 2007
KDS50A3000, KDS55A3000, KDS60A3000	August 2007
KDSR50XBR1	September 2005
KDSR60XBR1	August 2005
KDSR60XBR2, KDSR70XBR2	September 2006
KDL32L4000, KDL37L4000	April 2008
KDFE55A20, KDFE60A20	May 2005
KDL26M3000, KDL32M3000	August 2007
KDL37M3000	October 2007
KDL26ML130, KDL32ML130	August 2007
KDL26M4000	April 2008
KDL32M4000	March 2008
KDL37M4000	April 2008
KDL32N4000, KDL37N4000	April 2008
KDL26NL140, KDL32NL140, KDL37NL140	June 2008
KDL32S20L1, KDL40S20L1	May 2006
KDS50AL120	August 2007
KDS55AL120	July 2007
KDS60AL120	April 2007
KDL32XBR4	May 2007
KW34HD1	November 1998
KDL70XBR3	February 2007
KD34XBR2	June 2001
KD34XBR960	April 2004
KD34XBR970	March 2006
KDF37H1000	April 2007
KDL46V25L1	September 2006
KDL52WL130	September 2007
KDLV32XBR2	September 2006

Products	First sold in U.S.
KWP65HD1	March 1999
KDL19M4000	April 2008
KDL70XBR3	February 2007
KDS70Q006	December 2004
KDX46Q005	September 2005

The '847 Patent:

Products	First sold in U.S.
KD27FS130	December 2005
KD32FS130	July 2005
KD36FS130	April 2005
KD27FS170, KD32FS170, KD36FS170	March 2006
KD30XS955	April 2004
KD32XS945	April 2005
KD34XS955, KD36XS955	April 2004
KDE37XS955	July 2004
KDE42SX955	July 2005
KDE50XS955	July 2004
KDF42E2000	August 2006
KDF46E2000	June 2006
KDF50E2000	May 2006
KDF55E2000	June 2006
KDF42WE655, KDF50WE655, KDF55WF655, KDF60WF655	April 2004
KDF46E3000, KDF50E3000	July 2007
KDF55XS955, KDF60XS955	April 2004
KDF60XBR950, KDF70XBR950	July 2003
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006
KDL46S2000	April 2006
KDL23S2010, KDL26S2010, KDL32S2010	August 2006
KDL40S2010, KDL46S2010	September 2006
KDL26S3000	June 2007
KDL32S3000, KDL40S3000, KDL46S3000	April 2007
KDL32SL130, KDL40SL130	June 2007
KDL32S2400, KDL40S2400	October 2006
KDL32XBR6	April 2008
KDL37XBR6	May 2008
KDL40V4150	May 2008
KDL40V4100	April 2008
KDL42V4100, KDL46V4100, KDL52V4100	May 2008
KDL40W4100	April 2008
KDL46W4100	May 2008
KDL52W4100	April 2008
KDL46W4150	May 2008

Products	First sold in U.S.
KDL40S4100, KDL46S4100	April 2008
KDL40Z4100, KDL46Z4100	September 2008
KDL40V2500, KDL46V2500	September 2006
KDL40V3000, KDL46V3000	July 2007
KDL40VL130, KDL46VL130	August 2007
KDL40W3000, KDL46W3000	July 2007
KDL52W3000	August 2007
KDL40WL135	April 2008
KDL46WL135	March 2008
KDL52WL135	January 2008
KDL40XBR2, KDL46XBR2	July 2006
KDL40XBR3, KDL46XBR3	August 2006
KDL52XBR2, KDL52XBR3	October 2006
KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
KDL40XBR5	June 2007
KDL46XBR5	August 2007
KDL52XBR5	September 2007
KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
KDP51WS550	January 2003
KDP57WS550, KDP65WS550	April 2003
KDP51WS655, KDP57WS655	May 2004
KDP57XBR2, KDP65XBR2	July 2001
KDS50A2000, KDS55A2000, KDS60A2000	July 2006
KDS50A2020, KDS55A2020, KDS60A2020	February 2007
KDS50A3000, KDS55A3000, KDS60A3000	August 2007
KDSR50XBR1	September 2005
KDSR60XBR1	August 2005
KDSR60XBR2, KDSR70XBR2	September 2006
KDL32L4000, KDL37L4000	April 2008
KDFE55A20, KDFE60A20	May 2005
KDL26M3000, KDL32M3000	August 2007
KDL37M3000	October 2007
KDL26ML130, KDL32ML130	August 2007
KDL26M4000	April 2008
KDL32M4000	March 2008
KDL37M4000	April 2008
KDL32N4000, KDL37N4000	April 2008
KDL26NL140, KDL32NL140, KDL37NL140	June 2008
KDL32S20L1, KDL40S20L1	May 2006
KDS50AL120	August 2007
KDS55AL120	July 2007
KDS60AL120	April 2007
KDL32XBR4	May 2007
KW34HD1	November 1998
KDL70XBR3	February 2007
KD34XBR2	June 2001
KD34XBR960	April 2004
KD34XBR970	March 2006

Products	First sold in U.S.
KDF37H1000	April 2007
KDL46V25L1	September 2006
KDL52WL130	September 2007
KDLV32XBR2	September 2006
KWP65HD1	March 1999
KDL19M4000	April 2008
KDL70XBR3	February 2007
KDS70Q006	December 2004
KDX46Q005	September 2005

The '373 Patent:

Products	First sold in U.S.
KD27FS130	December 2005
KD32FS130	July 2005
KD36FS130	April 2005
KD27FS170, KD32FS170, KD36FS170	March 2006
KD30XS955	April 2004
KD32XS945	April 2005
KD34XS955, KD36XS955	April 2004
KDE37XS955	July 2004
KDE42SX955	July 2005
KDE50XS955	July 2004
KDF42E2000	August 2006
KDF46E2000	June 2006
KDF50E2000	May 2006
KDF55E2000	June 2006
KDF42WE655, KDF50WE655, KDF55WF655, KDF60WF655	April 2004
KDF46E3000, KDF50E3000	July 2007
KDF55XS955, KDF60XS955	April 2004
KDF60XBR950, KDF70XBR950	July 2003
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006
KDL46S2000	April 2006
KDL23S2010, KDL26S2010, KDL32S2010	August 2006
KDL40S2010, KDL46S2010	September 2006
KDL26S3000	June 2007
KDL32S3000, KDL40S3000, KDL46S3000	April 2007
KDL32SL130, KDL40SL130	June 2007
KDL32S2400, KDL40S2400	October 2006
KDL32XBR6	April 2008
KDL37XBR6	May 2008
KDL40V4150	May 2008
KDL40V4100	April 2008
KDL42V4100, KDL46V4100, KDL52V4100	May 2008

	Products	First sold in U.S.
1	KDL40W4100	April 2008
2	KDL46W4100	May 2008
3	KDL52W4100	April 2008
	KDL46W4150	May 2008
4	KDL40S4100, KDL46S4100	April 2008
	KDL40Z4100, KDL46Z4100	September 2008
5	KDL40V2500, KDL46V2500	September 2006
	KDL40V3000, KDL46V3000	July 2007
6	KDL40VL130, KDL46VL130	August 2007
	KDL40W3000, KDL46W3000	July 2007
7	KDL52W3000	August 2007
8	KDL40WL135	April 2008
	KDL46WL135	March 2008
9	KDL52WL135	January 2008
	KDL40XBR2, KDL46XBR2	July 2006
10	KDL40XBR3, KDL46XBR3	August 2006
	KDL52XBR2, KDL52XBR3	October 2006
11	KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
	KDL40XBR5	June 2007
12	KDL46XBR5	August 2007
	KDL52XBR5	September 2007
13	KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
14	KDP51WS550	January 2003
	KDP57WS550, KDP65WS550	April 2003
15	KDP51WS655, KDP57WS655	May 2004
	KDP57XBR2, KDP65XBR2	July 2001
16	KDS50A2000, KDS55A2000, KDS60A2000	July 2006
	KDS50A2020, KDS55A2020, KDS60A2020	February 2006
17	KDS50A3000, KDS55A3000, KDS60A3000	August 2007
18	KDSR50XBR1	September 2005
	KDSR60XBR1	August 2005
19	KDSR60XBR2, KDSR70XBR2	September 2006
	KDL32L4000, KDL37L4000	April 2008
20	KDFE55A20, KDFE60A20	May 2005
	KDL26M4000, KDL32M4000, KDL37M4000	2008
21	KDL32N4000, KDL37N4000	April 2008
22	KDL26NL140	June 2008
	KDL32S20L1, KDL40S20L1	May 2006
23	KDS50AL120	August 2007
	KDS55AL120	July 2007
24	KDS60AL120	April 2007
	KDL32XBR4	May 2007
25	KW34HD1	November 1998
	KDL70XBR3	February 2007
26	KD34XBR2	June 2001
	KD34XBR960	April 2004
27	KD34XBR970	March 2006
28	KDF37H1000	April 2007

Products	First sold in U.S.
KDL46V25L1	September 2006
KDL52WL130	September 2007
KDLV32XBR2	September 2006
KWP65HD1	March 1999
KDL19M4000	April 2008
KDL70XBR3	February 2007
KDS70Q006	December 2004
KDX46Q005	September 2005

The '614 Patent:

Products	First sold in U.S.
SAT-A55	2000
SAT-B55	2000
SAT-A60	2001
SAT-B60	2001
SAT-A65	2001
SAT-B65	2001
SAT-A65A	2002
SAT-B65A	2002
SAT-HD100	2001
SAT-HD200	2002
SAT-HD300	2004

The '055 and '468 Patents:

Products	Date first sold in U.S.
KD30XS955	April 2004
KD32XS945	April 2005
KD34XS955, KD36XS955	April 2004
KDE37XS955	July 2004
KDE42SX955	July 2005
KDE50XS955	July 2004
KDF42E2000	August 2006
KDF46E2000	June 2006
KDF50E2000	May 2006
KDF55E2000	June 2006
KDF42WE655, KDF50WE655, KDF55WF655, KDF60WF655	April 2004
KDF46E3000, KDF50E3000	July 2007
KDF55XS955, KDF60XS955	April 2004
KDF60XBR950, KDF70XBR950	July 2003
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006

	Products	Date first sold in U.S.
1	KDL46S2000	April 2006
2	KDL23S2010, KDL26S2010, KDL32S2010	August 2006
3	KDL40S2010, KDL46S2010	September 2006
4	KDL26S3000	June 2007
5	KDL32S3000, KDL40S3000, KDL46S3000	April 2007
6	KDL32SL130, KDL40SL130	June 2007
7	KDL32S2400, KDL40S2400	October 2006
8	KDL32XBR6	April 2008
9	KDL37XBR6	May 2008
10	KDL40V4150	May 2008
11	KDL40V4100	April 2008
12	KDL42V4100, KDL46V4100, KDL52V4100	May 2008
13	KDL40W4100	April 2008
14	KDL46W4100	May 2008
15	KDL52W4100	April 2008
16	KDL46W4150	May 2008
17	KDL40S4100, KDL46S4100	April 2008
18	KDL40Z4100, KDL46Z4100	September 2008
19	KDL40V2500, KDL46V2500	September 2006
20	KDL40V3000, KDL46V3000	July 2007
21	KDL40VL130, KDL46VL130	August 2007
22	KDL40W3000, KDL46W3000	July 2007
23	KDL52W3000	August 2007
24	KDL40WL135	April 2008
25	KDL46WL135	March 2008
26	KDL52WL135	January 2008
27	KDL40XBR2, KDL46XBR2	July 2006
28	KDL40XBR3, KDL46XBR3	August 2006
29	KDL52XBR2, KDL52XBR3	October 2006
30	KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
31	KDL40XBR5	June 2007
32	KDL46XBR5	August 2007
33	KDL52XBR5	September 2007
34	KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
35	KDP51WS550	January 2003
36	KDP57WS550, KDP65WS550	April 2003
37	KDP51WS655, KDP57WS655	May 2004
38	KDS50A2000, KDS55A2000, KDS60A2000	July 2006
39	KDS50A2020, KDS55A2020, KDS60A2020	February 2006
40	KDS50A3000, KDS55A3000, KDS60A3000	August 2007
41	KDSR50XBR1	September 2005
42	KDSR60XBR1	August 2005
43	KDSR60XBR2, KDSR70XBR2	September 2006
44	KDL32L4000, KDL37L4000	April 2008
45	KDFE55A20, KDFE60A20	May 2005
46	KDL26M3000, KDL32M3000	August 2007
47	KDL37M3000	October 2007
48	KDL26ML130, KDL32ML130	August 2007

Products	Date first sold in U.S.
KDL26M4000	April 2008
KDL32M4000	March 2008
KDL37M4000	April 2008
KDL32N4000, KDL37N4000	April 2008
KDL26NL140, KDL32NL140, KDL37NL140	June 2008
KDL32S20L1, KDL40S20L1	May 2006
KDS50AL120	August 2007
KDS55AL120	July 2007
KDS60AL120	April 2007
KDL32XBR4	May 2007
KDL70XBR3	February 2007
KD34XBR960	April 2004
KD34XBR970	March 2006
KDF37H1000	April 2007
KDL46V25L1	September 2006
KDL52WL130	September 2007
KDLV32XBR2	September 2006
KDL19M4000	April 2008
KDL70XBR3	February 2007
KDS70Q006	December 2004
KDX46Q005	September 2005

The '472 Patent:

Products	Date first sold in U.S.
KDF60XBR950, KDF70XBR950	July 2003
KDP51WS550	January 2003
KDP57WS550, KDP65WS550	April 2003
KDP57XBR2, KDP65XBR2	July 2001
KDS50A2000, KDS55A2000, KDS60A2000	July 2006
KW34HD1	November 1998
KD34XBR2	June 2001
KWP65HD1	March 1999

The '182 Patent:

Products	Date first sold in U.S.
PFM-500A1W	1998
KZ-32TS1, KZ-42TS1	2001
KE-32TS2, KE-42TS2	2002
KDF46E3000, KDF50E3000	July 2007
KDFE42A10, KDFE50A10	July 2005
KDL23S2000	July 2006
KDL26S2000, KDL32S2000, KDL40S2000	February 2006
KDL46S2000	April 2006

	Products	Date first sold in U.S.
1	KDL23S2010, KDL26S2010, KDL32S2010	August 2006
2	KDL40S2010, KDL46S2010	September 2006
3	KDL26S3000	June 2007
4	KDL32S3000, KDL40S3000, KDL46S3000	April 2007
5	KDL32SL130, KDL40SL130	June 2007
6	KDL32S2400, KDL40S2400	October 2006
7	KDL32XBR6	April 2008
8	KDL37XBR6	May 2008
9	KDL40V4150	May 2008
10	KDL40V4100	April 2008
11	KDL42V4100, KDL46V4100, KDL52V4100	May 2008
12	KDL40W4100	April 2008
13	KDL46W4100	May 2008
14	KDL52W4100	April 2008
15	KDL46W4150	May 2008
16	KDL40S4100, KDL46S4100	April 2008
17	KDL40Z4100, KDL46Z4100	September 2008
18	KDL40V2500, KDL46V2500	September 2006
19	KDL40V3000, KDL46V3000	July 2007
20	KDL40VL130, KDL46VL130	August 2007
21	KDL40W3000, KDL46W3000	July 2007
22	KDL52W3000	August 2007
23	KDL40WL135	April 2008
24	KDL46WL135	March 2008
25	KDL52WL135	January 2008
26	KDL40XBR2, KDL46XBR2	July 2006
27	KDL40XBR3, KDL46XBR3	August 2006
28	KDL52XBR2, KDL52XBR3	October 2006
	KDL40XBR4, KDL46XBR4, KDL52XBR4	August 2007
	KDL40XBR5	June 2007
	KDL46XBR5	August 2007
	KDL52XBR5	September 2007
	KDLV26XBR1, KDLV32XBR1, KDLV40XBR1	August 2005
	KDS50A2000, KDS55A2000, KDS60A2000	July 2006
	KDS50A2020, KDS55A2020, KDS60A2020	February 2007
	KDS50A3000, KDS55A3000, KDS60A3000	August 2007
	KDSR50XBR1	September 2005
	KDSR60XBR1	August 2005
	KDSR60XBR2, KDSR70XBR2	September 2006
	KDL32L4000, KDL37L4000	April 2008
	KDS50AL120	August 2007
	KDS55AL120	July 2007
	KDS60AL120	April 2007
	KDL32XBR4	May 2007
	KDL70XBR3	February 2005
	KDL46V25L1	September 2006
	KDL52WL130	September 2007
	KDLV32XBR2	September 2006

Products	Date first sold in U.S.
KDL70XBR3	February 2007
KDS70Q006	December 2004
KDX46Q005	September 2005

Sony is continuing to investigate Sony products that embody the subject matter of the patents-in-suit and reserves the right to supplement this response as additional information becomes available.

INTERROGATORY NO. 11:

Separately for each Patented Sony Product, state the date of the earliest public use, sale, and offer for sale of such product in the United States, and identify the persons most knowledgeable and all facts and documents that refer or relate to such first public use, sale, and offer for sale.

SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 11:

Sony incorporates each of its general objections by reference. Sony objects to this request as overbroad and unduly burdensome to the extent it seeks "all facts and documents." Sony further objects to this request to the extent it calls for information protected from discovery by the attorney-client privilege and/or the work product doctrine.

Without waiving the foregoing general and specific objections and subject to those objections, Sony responds as follows:

Sony incorporates by reference its response to Interrogatory No. 10, above.

The '626 Patent: After a reasonable investigation, on information and belief, Sony is unaware of any public disclosure of the inventions claimed in the asserted claims of the '626 patent prior to the public disclosure that resulted from the patent prosecution process. Further, Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted claims of the '626 patent in the U.S. more than one year prior to the date of the application for patent in the U.S. Based on the best of information available to Sony at this time, the inventions claimed in the '626 patent were first sold or offered for sale in the U.S. on or about November 1998.

1 **The '577 Patent:** After a reasonable investigation, on information and belief, Sony is
2 unaware of any public disclosure of the inventions claimed in the asserted claims of the '577
3 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
4 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
5 claims of the '577 patent in the U.S. more than one year prior to the date of the application for
6 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
7 claimed in the '577 patent were first sold or offered for sale in the U.S. in November 1998.

8 **The '542 Patent:** After a reasonable investigation, on information and belief, Sony is
9 unaware of any public disclosure of the inventions claimed in the asserted claims of the '542
10 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
11 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
12 claims of the '542 patent in the U.S. more than one year prior to the date of the application for
13 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
14 claimed in the '542 patent were first sold or offered for sale in the U.S. in November 1998.

15 **The '847 Patent:** After a reasonable investigation, on information and belief, Sony is
16 unaware of any public disclosure of the inventions claimed in the asserted claims of the '847
17 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
18 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
19 claims of the '847 patent in the U.S. more than one year prior to the date of the application for
20 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
21 claimed in the '847 patent were first sold or offered for sale in the U.S. in November 1998.

22 **The '373 Patent:** After a reasonable investigation, on information and belief, Sony is
23 unaware of any public disclosure of the inventions claimed in the asserted claims of the '373
24 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
25 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
26 claims of the '373 patent in the U.S. more than one year prior to the date of the application for
27 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
28 claimed in the '373 patent were first sold or offered for sale in the U.S. in November 1998.

1 **The '614 Patent:** After a reasonable investigation, on information and belief, Sony is
2 unaware of any public disclosure of the inventions claimed in the asserted claims of the '614
3 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
4 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
5 claims of the '614 patent in the U.S. more than one year prior to the date of the application for
6 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
7 claimed in the '614 patent were first sold or offered for sale in the U.S. in 2000.

8 **The '055 Patent:** After a reasonable investigation, on information and belief, Sony is
9 unaware of any public disclosure of the inventions claimed in the asserted claims of the '055
10 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
11 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
12 claims of the '055 patent in the U.S. more than one year prior to the date of the application for
13 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
14 claimed in the '055 patent were first sold or offered for sale in the U.S. in January 2003.

15 **The '468 Patent:** After a reasonable investigation, on information and belief, Sony is
16 unaware of any public disclosure of the inventions claimed in the asserted claims of the '468
17 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
18 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
19 claims of the '468 patent in the U.S. more than one year prior to the date of the application for
20 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
21 claimed in the '468 patent were first sold or offered for sale in the U.S. in January 2003.

22 **The '472 Patent:** After a reasonable investigation, on information and belief, Sony is
23 unaware of any public disclosure of the inventions claimed in the asserted claims of the '472
24 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
25 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
26 claims of the '472 patent in the U.S. more than one year prior to the date of the application for
27 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
28 claimed in the '472 patent were first sold or offered for sale in the U.S. in November 1998.

1 **The '182 Patent:** After a reasonable investigation, on information and belief, Sony is
2 unaware of any public disclosure of the inventions claimed in the asserted claims of the '182
3 patent prior to the public disclosure that resulted from the patent prosecution process. Further,
4 Sony is unaware of any sale, offer for sale, or public use of the inventions claimed in the asserted
5 claims of the '182 patent in the U.S. more than one year prior to the date of the application for
6 patent in the U.S. Based on the best of information available to Sony at this time, the inventions
7 claimed in the '182 patent were first sold or offered for sale in the U.S. in 1998.

8 Sony notes that discovery is ongoing and that it will supplement this response if it becomes
9 aware of any additional non-privileged, relevant information responsive to this interrogatory.

10 **INTERROGATORY NO. 12:**

11 Describe in detail the total amount of damages allegedly sustained by Sony due to VIZIO's
12 alleged infringement. A complete answer to this interrogatory will describe in detail Sony's theory
13 of damages, the method used to calculate damages including without limitation whether the
14 calculation is based on lost profits, reasonable royalty, or some other measure of damages,
15 whether Sony alleges it is entitled to prejudgment interest on such damages and, if so, the interest
16 rate and how that interest rate was determined, identify the persons most knowledgeable (other
17 than outside counsel), and identify all documents that refer or relate thereto.

18 **RESPONSE TO INTERROGATORY NO. 12:**

19 Sony incorporates each of its general objections by reference. Sony objects to this request
20 as premature to the extent it seeks a complete answer at this early stage of discovery. Sony
21 further objects to this request as premature to the extent that it seeks information that is more
22 properly the subject of expert testimony. Sony also objects to this request as over broad and
23 unduly burdensome to the extent it seeks "all documents." Sony further objects to this request as
24 calling for legal conclusions. Sony further objects to this request to the extent it calls for
25 information protected from discovery by the attorney-client privilege and/or the work product
26 doctrine. Documents that refer or relate to the factual basis for Sony's computation of damages
27 include that which would otherwise be responsive to this request but were created by or at the
28 direction of Sony's outside or in-house counsel and professional legal advisers. Such privileged

1 materials and information include communications containing legal advice by and between Sony's
2 engineers and Sony's in-house legal advisers responsible for patent prosecution, licensing, and
3 litigation. Other documents that would otherwise be responsive to this request also include
4 materials and information prepared or exchanged in anticipation of litigation, including the case at
5 hand and related litigations. Sony objects to this interrogatory to the extent it seeks information
6 that contains the confidential information of third parties.

7 Without waiving the foregoing general and specific objections and subject to those
8 objections, Sony responds as follows:

9 As discovery is in its earliest stages and Vizio has not produced any documents in response
10 to Sony's requests for production, Sony is still evaluating the damages it intends to seek from
11 Vizio, which "in no event [shall] be less than a reasonable royalty for the use made of the
12 invention[s] by [Vizio], together with interest and costs fixed by the court." 35 U.S.C. § 284.
13 Accordingly, Sony has not yet made a final determination as to the form of damages, the method
14 of computing said damages, the period of time for those damages, or whether it will seek lost
15 profits. Sony reserves the right to supplement this response once the parties have engaged in
16 substantive fact and expert discovery. In addition, even though a Protective Order has not yet
17 been entered, Sony has been and continues to work diligently to obtain any necessary consents
18 from third parties with respect to certain licenses and royalty reports, and pursuant to Fed. R. Civ.
19 P. 33(d), Sony refers Vizio to those documents to be produced by Sony.

20 **INTERROGATORY NO. 13:**

21 Identify all agreements, assignments, or licenses relating to patents on digital television
22 technology executed by Sony, the persons most knowledgeable thereof and all documents that
23 refer or relate thereto.

24 **RESPONSE TO INTERROGATORY NO. 13:**

25 Sony incorporates each of its general objections by reference. Sony objects to this request
26 as overbroad and unduly burdensome to the extent it seeks "all agreements, assignments, or
27 licenses relating to patents on digital television technology executed by Sony." Sony objects to
28 this request as overbroad and unduly burdensome to the extent it seeks information relating to

1 agreements, assignments, or licenses that are not relevant to the issues presented by this case or
2 likely to lead to admissible evidence, including documents reflecting extraterritorial licensing
3 activity. Sony also objects to this request to the extent it seeks confidential information prior to
4 the entry of a protective order. Moreover, Sony objects to this request to the extent it seeks the
5 confidential information of third parties.

6 Without waiving the foregoing general and specific objections and subject to those
7 objections, Sony responds as follows:

8 Even though a Protective Order has not yet been entered, Sony has been and continues to
9 work diligently to obtain any necessary consents from third parties with respect to certain licenses
10 and royalty reports. Sony will promptly supplement its response to this interrogatory once a
11 Protective Order has been entered and any necessary consents are obtained.

12 **INTERROGATORY NO. 14:**

13 Separately for each Sony Patent, state and describe in detail each and every fact concerning
14 Sony's allegations that VIZIO's alleged infringement of such patent has been or is willful, and
15 identify the persons most knowledgeable and all documents that refer or relate thereto.

16 **RESPONSE TO INTERROGATORY NO. 14:**

17 Sony incorporates each of its general objections by reference. Sony objects to this request
18 as over broad and unduly burdensome to the extent it seeks "all documents." Sony also objects to
19 this request to the extent it calls for a legal conclusion. Sony further objects to this request as
20 premature to the extent it seeks a full and complete response at this early stage in discovery.
21 Sony further objects to this request to the extent it calls for information protected from discovery
22 by the attorney-client privilege and/or the work product doctrine.

23 Without waiving the foregoing general and specific objections and subject to those
24 objections, Sony responds as follows:

25 Vizio is aware of Sony's status as one of, if not the, leading developer of new technologies
26 for televisions. Vizio is further aware that Sony invests an enormous amount of resources in
27 research and development to create cutting-edge technologies that it incorporates into its products.

1 Vizio is further aware that Sony protects its investment by aggressively seeking and procuring
2 patent rights, including patents that cover the innovative features of its televisions.

3 Vizio was aware of Sony's extensive patent portfolio before this case was filed. Beginning
4 in 2007, Sony engaged Vizio in a series of licensing discussions relating to the patents-in-suit.
5 During the course of the negotiations, Sony provided information related to its patent portfolio and
6 to the significant number of patents in its portfolio that are related to color television technology.
7 Sony also pointed to specific patents that it believed Vizio was infringing. On September 6,
8 2007, Sony directly informed Vizio of its infringement of the '626, '577, '542, '847, and '614
9 patents via letter correspondence from Jaime A. Siegel, Senior Intellectual Property Counsel for
10 Sony. On November 7, 2007, representatives from both parties met in-person to continue the
11 ongoing licensing negotiations. In this meeting, Sony again directly informed Vizio of its
12 infringement of certain of the patents-in-suit.

13 Sony notes that discovery is ongoing. At this point, Vizio has not produced any
14 documents and Sony has not yet taken a single deposition. Once the parties have engaged in
15 substantive discovery, Sony will promptly supplement its response to incorporate responsive
16 information from Vizio to the extent that information is not reflected therein.

17 **INTERROGATORY NO. 15:**

18 Describe in detail each and every fact concerning Sony's involvement with the Consumer
19 Electronics Association ("CEA") Television Data Systems Subcommittee, including without
20 limitation its involvement with CEA-708 and digital television closed captioning standards, and
21 identify the persons most knowledgeable and all documents that refer or relate thereto.

22 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 15:**

23 Sony incorporates each of its general objections by reference. Sony objects to this request
24 as over broad and unduly burdensome to the extent it seeks "every fact" and "all documents."
25 Sony further objects to this request as premature to the extent it seeks a full and complete response
26 at this early stage in discovery. Sony further objects to this request to the extent it calls for
27 information protected from discovery by the attorney-client privilege and/or the work product
28 doctrine.

1 Without waiving the foregoing general and specific objections and subject to those
2 objections, Sony responds as follows:

3 Pursuant to Federal Rule Civil Procedure 33(d), Vizio may derive or ascertain information
4 responsive to this interrogatory from at least the following documents produced in this matter:
5 SONY0005722-5815, SONY0005816-5932, and SONY0073791-74094. Furthermore, Sony
6 continues to investigate information that may be responsive to this Interrogatory and will
7 supplement its response if additional information is located.

8 **INTERROGATORY NO. 16:**

9 Describe in detail all facts concerning any disclosure, whether by Sony or any other
10 person, of any patents to the CEA relating to digital television closed captioning, including
11 without limitation an identification of such patents, the persons most knowledgeable concerning
12 the disclosure, and all documents that refer or relate to the disclosure.

13 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 16:**

14 Sony incorporates each of its general objections by reference. Sony objects to this request
15 as over broad and unduly burdensome to the extent it seeks "all facts" and "all documents." Sony
16 further objects to this request as premature to the extent it seeks a full and complete response at
17 this early stage in discovery. Sony further objects to this request to the extent it calls for
18 information protected from discovery by the attorney-client privilege and/or the work product
19 doctrine.

20 Without waiving the foregoing general and specific objections and subject to those
21 objections, Sony responds as follows:

22 Pursuant to Federal Rule Civil Procedure 33(d), Vizio may derive or ascertain information
23 responsive to this interrogatory from at least the following documents produced in this matter:
24 SONY0005722-5815, SONY0005816-5932, and SONY0073791-74094. Furthermore, Sony
25 continues to investigate information that may be responsive to this Interrogatory and will
26 supplement its response if additional information is located.

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1 **INTERROGATORY NO. 17:**

2 Explain in detail why the claims that ultimately issued in the '468 patent were not
3 presented to the U.S. Patent and Trademark Office earlier in the chain of applications that lead to
4 the issuance of that patent.

5 **RESPONSE TO INTERROGATORY NO. 17:**

6 Sony incorporates each of its general objections by reference. Sony objects to this request
7 as premature to the extent it seeks a complete answer at this early stage of discovery. Sony
8 further objects to this request to the extent it calls for information protected from discovery by the
9 attorney-client privilege and/or the work product doctrine. Documents that refer or relate to the
10 factual basis for Sony's computation of damages include those which would otherwise be
11 responsive to this request but were created by or at the direction of Sony's outside or in-house
12 counsel and professional legal advisers. Such privileged materials and information include
13 communications containing legal advice by and between Sony's engineers and Sony's in-
14 house legal advisers responsible for patent prosecution, licensing, and litigation. Sony objects to
15 this interrogatory to the extent it seeks information that contains the confidential information of
16 third parties.

17 Without waiving the foregoing general and specific objections and subject to those
18 objections, Sony responds as follows:

19 The '468 Patent is a continuation of application no. 10/323,357, filed on December 19,
20 2002, now Patent No. RE38,898, which is itself a continuation of application no. 09/461,136, filed
21 on December 14, 1999, now Patent No. RE38,055. The applicants of the '468 Patent conformed
22 with all applicable statutes and regulations. In particular, MPEP 1412.03 states:

23 A broadened claim can be presented within two years from the grant of the original
24 patent in a reissue application. In addition, a broadened claim can be presented after
25 two years from the grant of the original patent in a broadening reissue application
26 which was filed within two years from the grant. Where any intent to broaden is
27 unequivocally indicated in the reissue application within the two years from the
28 patent grant, a broadened claim can subsequently be presented in the reissue after
the two year period. . . . Thus, a broadened claim may be presented in a reissue
application after the two years, even though the broadened claim presented after the
two years is different than the broadened claim presented within the two years.
Finally, if intent to broaden is indicated in a parent reissue application within the
two years, a broadened claim can be presented in a continuing (continuation or

1 divisional) reissue application after the two year period. In any other situation, a
2 broadened claim cannot be presented, and the examiner should check carefully for
3 the improper presentation of broadened claims.

4 Pursuant to Federal Rule Civil Procedure 33(d), Vizio may also derive or ascertain
5 information responsive to this interrogatory from at least the following documents produced in this
6 matter: SONY0008605-8786. Furthermore, Sony continues to investigate information that may
7 be responsive to this Interrogatory and will supplement its response if additional information is
8 located.

9 **INTERROGATORY NO. 18:**

10 Separately for each Patented Sony Product, describe in detail all facts concerning Sony's
11 marking of patent numbers on such product under 35 U.S.C. § 287, including without limitation
12 the date such marking began, any changes to such marking, the patent numbers used in such
13 marking, and identifying the persons most knowledgeable about Sony's marking practices and all
14 documents that refer or relate thereto.

15 **SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 18:**

16 Sony incorporates each of its general objections by reference. Sony objects to this request
17 as overbroad and unduly burdensome to the extent it seeks "all facts." Sony further objects to this
18 request to the extent it calls for information protected from discovery by the attorney-client
19 privilege and/or the work product doctrine.

20 Without waiving the foregoing general and specific objections and subject to those
21 objections, Sony responds as follows:

22 35 U.S.C. § 287 states:

23 Patentees, and persons making, offering for sale, or selling within the United States any
24 patented article for or under them, or importing any patented article into the United States,
25 may give notice to the public that the same is patented, either by fixing thereon the word
26 "patent" or the abbreviation "pat.", together with the number of the patent, or when, from
27 the character of the article, this cannot be done, by fixing to it, or to the package wherein
28 one or more of them is contained, a label containing a like notice. In the event of failure so
to mark, no damages shall be recovered by the patentee in any action for infringement,
except on proof that the infringer was notified of the infringement and continued to
infringe thereafter, in which event damages may be recovered only for infringement
occurring after such notice. Filing of an action for infringement shall constitute such notice.

1 Marking is not necessary, however, if a patentee asserts only method claims against an
2 alleged infringer. *Crown Packaging Technology, Inc. v. Rexam Beverage Can Co.*, 559 F.3d
3 1308, 1317 (Fed. Cir. 2009) ("Because Rexam asserted only the method claims of the '839 patent,
4 the marking requirement of 35 U.S.C. § 287(a) does not apply.").

5 Sony contends that each and every Accused Product infringes at least the following claims
6 of the patents-in-suit:

7 '626 patent: claims 1, 3-4, 6-7, 9-10, 14, 17-24, and 29-33.

8 '373 patent: claims 1-13.

9 '614 patent: claims 1-4 and 6-7.

10 '577 patent: claims 13, 15, 19, 20, 27, and 28.

11 '542 patent: claims 6 and 11.

12 '847 patent: claims 11, 12, 16, 27, 28, 33, 34, 35, and 37-41.

13 '182 patent: claims 1-6.

14 '472 patent: claims 1-18. Sony contends that each and every HDCP Accused Product
15 infringes at least the following claims of the patents-in-suit:

16 '055 patent: claims 41-54 and 61-66,

17 '468 patent: claims 41-45.

18 Sony's investigation with respect to this interrogatory continues and Sony will supplement
19 its response once the parties have engaged in substantive discovery.

20
21
22 DATED: June 8, 2009

As to the objections,

23
24 By/s/ Kevin Johnson

Kevin P.B. Johnson
QUINN EMANUEL URQUHART OLIVER &
HEDGES, LLP

25
26 Attorneys for Plaintiff
27 SONY CORPORATION
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CERTIFICATE OF SERVICE

I, the undersigned, hereby certify that a true and correct copy of:

**SUPPLEMENTAL RESPONSE TO VIZIO, INC.'S FIRST SET OF INTERROGATORIES
(NOS. 1-18)**

have been caused to be served on June 8, 2009 to all counsel of record via email.

By: /s/ Peter Klivans

Peter Klivans